

METHOD FOR STORING ALPHA-OLEFIN OLIGOMERATION CATALYST

Patent number: JP10036433
Publication date: 1998-02-10
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Classification:
- international: C08F4/69; C07C2/06; C07C2/32; C07C11/107; C10G50/00
- european:
Application number: JP19960199035 19960729
Priority number(s):

Abstract of JP10036433

PROBLEM TO BE SOLVED: To store a chromium catalyst for α -olefin oligomerization stably without causing deactivation by storing it in an organic solvent containing an unsaturated hydrocarbon.
SOLUTION: In order to store an α -oligomerization catalyst prepared by reacting at least a chromium compound with a pyrrole compound, an alkylaluminum compound and a halogen-containing compound in an organic solvent is stored for at least 24hr before it is used in the oligomerization of an α -olefin, it is stored in an organic solvent containing an unsaturated hydrocarbon. To practice this method, it is the most suitable that a solution prepared by adding a chromium compound, a pyrrole compound, an alkylaluminum compound and a halogen-containing compound are added to a solvent containing an unsaturated hydrocarbon to form a catalyst is stored as such. Because the catalyst can be rapidly formed, it may be reasonable to think that the formation of the catalyst is completed as soon as the mixing of all the components is finished.

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